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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-I(24)	1990	48	125

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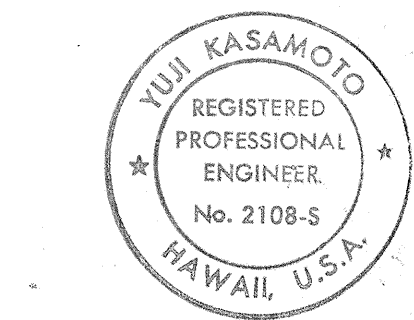
ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITIES
<u>VIADUCT</u>			
206.6001	Structure Excavation for Bridges	C.Y.	7,670
206.7201	Structure Backfill for Bridge Abutments, Wingwalls and Pile Caps	C.Y.	3,220
206.8211	Filter Material at Abutment & Wingwalls	C.Y.	96
503.1901	Concrete in Bridges (Except Footings)	L.S.	(5530 C.Y.)
503.1941	Concrete in Bridge Footings	L.S.	(4,470 C.Y.)
<u>HELEMANO STREAM</u>			
504.4501	Keehi Type II Prestressed Concrete Girders	L.F.	9,450
505.0011	Pile Load Test	Ea.	8
505.0431	Precast, Prestressed Concrete Piles, Furnished	L.F.	32,160
505.4301	Precast, Prestressed Concrete Piles, Driven	L.F.	28,840
505.9001	Extension or "Build-ups" of Piles	F.A.	
507.7101	Metal Bridge Railing - One Rail on Parapet	L.F.	2,380
<u>OPAEULA BRIDGE</u>			
206.6002	Structure Excavation for Bridges	C.Y.	330
206.7202	Structure Backfill for Bridge Abutments, Wingwalls and Pile Caps	C.Y.	150
206.8212	Filter Material at Abutment & Wingwalls	C.Y.	54
503.1902	Concrete in Bridges (Except Footings)	L.S.	(376 C.Y.)
503.1942	Concrete in Bridge Footings	L.S.	(140 C.Y.)
504.4502	Keehi Type II Prestressed Concrete Girders	L.F.	854
505.0012	Pile Load Test	Ea.	1
505.0432	Precast, Prestressed Concrete Piles, Furnished	L.F.	3,476
505.4302	Precast, Prestressed Concrete Piles, Driven	L.F.	3,216
505.9002	Extension or "Build-ups" of Piles	F.A.	
507.7102	Metal Bridge Railing - One Rail on Parapet	L.F.	240
602.1302	Reinforcing Steel in Bridges	L.S.	(110,000 lb)
612.0102	Grouted Rubble Paving	C.Y.	450

NOTE:

Refer to Sheets T, T2 and T4 to T8 at end of entire working plans for General Notes, Railing and Prestressed Concrete Pile details.

SURVEY PLOTTED BY _____ DATE _____
 DESIGNED BY _____
 TRACED BY _____
 NOTE BOOK _____
 QUANTITIES BY _____
 CHECKED BY _____
 No. _____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

INDEX TO DRAWINGS AND
ESTIMATED QUANTITIES

KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA
JUNCTION TO HALEIWA BEACH PARK
(STRUCTURES)
FAP NO. F-083-I(24)

SHEET No. 51 OF SHEETS